

ABSTRACT OF THE DISCLOSURE

A voice recognition system comprises an analyzer
1 for converting an input voice signal to an input pattern
including cepstrum, a reference pattern memory 3 for
5 storing reference patterns, an elongation/contraction
estimating unit 4 for outputting an
elongation/contraction parameter in frequency axis
direction by using the input pattern and the reference
patterns, and a recognizing unit 101 for calculating the
10 distances between the converted input pattern from the
converter 2 and the reference patterns and outputting
the reference pattern corresponding to the shortest
distance as result of recognition. The
elongation/contraction unit 4 estimates an
15 elongation/contraction parameter by using cepstrum
included in the input pattern. The unit 4 does not have
various values in advance for determining the
elongation/contraction parameter. Nor the unit 4 have
to execute distance calculation for various values.